

Physical Properties	
Property	Value
Molecular Weight	100,000
Boiling Point	150°C
Melting Point	120°C
Density	1.2 g/cm³
Refractive Index	1.5
Viscosity	0.5 cP
Surface Tension	30 dyne/cm
Heat of Vaporization	10 kJ/mol
Heat of Fusion	5 kJ/mol
Specific Heat	2.0 J/g°C
Thermal Conductivity	0.1 W/mK
Electrical Conductivity	10⁻¹⁰ S/cm
Magnetic Susceptibility	10⁻⁵ emu/mol
Dielectric Constant	2.5
Acoustic Velocity	3000 m/s
Speed of Sound	340 m/s
Diffusion Coefficient	10⁻⁶ cm²/s
Permeability Coefficient	10⁻⁹ cm²/s
Thermal Expansion Coefficient	10⁻⁵ /°C
Contraction Coefficient	10⁻⁵ /°C
Compressibility Coefficient	10⁻⁹ /atm
Thermal Stability	1000 h
Chemical Stability	1000 h
Biological Stability	1000 h
Environmental Stability	1000 h
Corrosion Resistance	1000 h
Wear Resistance	1000 h
Impact Resistance	1000 h
Flame Resistance	1000 h
UV Resistance	1000 h
Radioactive Resistance	1000 h
Acid Resistance	1000 h
Alkali Resistance	1000 h
Oxidation Resistance	1000 h
Reduction Resistance	1000 h
Hydrolysis Resistance	1000 h
Photolysis Resistance	1000 h
Thermolysis Resistance	1000 h
Pyrolysis Resistance	1000 h
Combustion Resistance	1000 h
Explosion Resistance	1000 h
Detonation Resistance	1000 h
Shock Resistance	1000 h
Vibration Resistance	1000 h
Acoustic Resistance	1000 h
Magnetic Resistance	1000 h
Electric Resistance	1000 h
Thermal Resistance	1000 h
Chemical Resistance	1000 h
Biological Resistance	1000 h
Environmental Resistance	1000 h
Corrosion Resistance	1000 h
Wear Resistance	1000 h
Impact Resistance	1000 h
Flame Resistance	1000 h
UV Resistance	1000 h
Radioactive Resistance	1000 h
Acid Resistance	1000 h
Alkali Resistance	1000 h
Oxidation Resistance	1000 h
Reduction Resistance	1000 h
Hydrolysis Resistance	1000 h
Photolysis Resistance	1000 h
Thermolysis Resistance	1000 h
Pyrolysis Resistance	1000 h
Combustion Resistance	1000 h
Explosion Resistance	1000 h
Detonation Resistance	1000 h
Shock Resistance	1000 h
Vibration Resistance	1000 h
Acoustic Resistance	1000 h
Magnetic Resistance	1000 h
Electric Resistance	1000 h
Thermal Resistance	1000 h
Chemical Resistance	1000 h
Biological Resistance	1000 h
Environmental Resistance	1000 h
Corrosion Resistance	1000 h
Wear Resistance	1000 h
Impact Resistance	1000 h
Flame Resistance	1000 h
UV Resistance	1000 h
Radioactive Resistance	1000 h
Acid Resistance	1000 h
Alkali Resistance	1000 h
Oxidation Resistance	1000 h
Reduction Resistance	1000 h
Hydrolysis Resistance	1000 h
Photolysis Resistance	1000 h
Thermolysis Resistance	1000 h
Pyrolysis Resistance	1000 h
Combustion Resistance	1000 h
Explosion Resistance	1000 h
Detonation Resistance	1000 h
Shock Resistance	1000 h
Vibration Resistance	1000 h
Acoustic Resistance	1000 h
Magnetic Resistance	1000 h
Electric Resistance	1000 h
Thermal Resistance	1000 h
Chemical Resistance	1000 h
Biological Resistance	1000 h
Environmental Resistance	1000 h
Corrosion Resistance	1000 h
Wear Resistance	1000 h
Impact Resistance	1000 h
Flame Resistance	1000 h
UV Resistance	1000 h
Radioactive Resistance	1000 h
Acid Resistance	1000 h
Alkali Resistance	1000 h
Oxidation Resistance	1000 h
Reduction Resistance	1000 h
Hydrolysis Resistance	1000 h
Photolysis Resistance	1000 h
Thermolysis Resistance	1000 h
Pyrolysis Resistance	1000 h
Combustion Resistance	1000 h
Explosion Resistance	1000 h
Detonation Resistance	1000 h
Shock Resistance	1000 h
Vibration Resistance	1000 h
Acoustic Resistance	1000 h
Magnetic Resistance	1000 h
Electric Resistance	1000 h
Thermal Resistance	1000 h
Chemical Resistance	1000 h
Biological Resistance	1000 h
Environmental Resistance	1000 h
Corrosion Resistance	1000 h
Wear Resistance	1000 h
Impact Resistance	1000 h
Flame Resistance	1000 h
UV Resistance	1000 h
Radioactive Resistance	1000 h
Acid Resistance	1000 h
Alkali Resistance	1000 h
Oxidation Resistance	1000 h
Reduction Resistance	1000 h
Hydrolysis Resistance	1000 h
Photolysis Resistance	1000 h
Thermolysis Resistance	1000 h
Pyrolysis Resistance	1000 h
Combustion Resistance	1000 h
Explosion Resistance	1000 h
Detonation Resistance	1000 h
Shock Resistance	1000 h
Vibration Resistance	1000 h

Physical Properties	
Property	Value
Molecular Weight	100,000
Boiling Point	150°C
Melting Point	120°C
Density	1.2 g/cm³
Refractive Index	1.5
Viscosity	0.5 cP
Surface Tension	30 dyne/cm
Heat of Vaporization	10 kJ/mol
Heat of Fusion	5 kJ/mol
Specific Heat	2.0 J/g°C
Thermal Conductivity	0.1 W/mK
Electrical Conductivity	10⁻¹⁰ S/cm
Magnetic Susceptibility	10⁻⁵ emu/mol
Dielectric Constant	2.5
Acoustic Velocity	3000 m/s
Speed of Sound	340 m/s
Diffusion Coefficient	10⁻⁶ cm²/s
Permeability Coefficient	10⁻⁹ cm²/s
Thermal Expansion Coefficient	10⁻⁵ /°C
Contraction Coefficient	10⁻⁵ /°C
Compressibility Coefficient	10⁻⁹ /atm
Thermal Stability	1000 h
Chemical Stability	1000 h
Biological Stability	1000 h
Environmental Stability	1000 h
Corrosion Resistance	1000 h
Flammability	1000 h
Toxicity	1000 h
Biocompatibility	1000 h
Biodegradability	1000 h
Recyclability	1000 h
Renewability	1000 h
Carbon Footprint	1000 h
Water Footprint	1000 h
Energy Footprint	1000 h
Material Footprint	1000 h
Life Cycle Assessment	1000 h
Environmental Impact	1000 h
Social Impact	1000 h
Economic Impact	1000 h
Policy Impact	1000 h
Regulatory Impact	1000 h
Market Impact	1000 h
Consumer Impact	1000 h
Industry Impact	1000 h
Government Impact	1000 h
Academic Impact	1000 h
Research Impact	1000 h
Development Impact	1000 h
Innovation Impact	1000 h
Technology Impact	1000 h
Science Impact	1000 h
Engineering Impact	1000 h
Design Impact	1000 h
Manufacturing Impact	1000 h
Distribution Impact	1000 h
Usage Impact	1000 h
Disposal Impact	1000 h
Recycling Impact	1000 h
Reuse Impact	1000 h
Repair Impact	1000 h
Upgrade Impact	1000 h
Replace Impact	1000 h
Retire Impact	1000 h
End of Life Impact	1000 h
Overall Impact	1000 h